

# SEQUENCE LISTING

<110> ROSETTA GENOMICS LTD

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GENES AND USES THEREOF

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<170> PatentIn version 3.2

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<212> DNA

<213> Human enterovirus B

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<212> DNA

<213> Human herpesvirus 4

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<212> DNA

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<212> DNA

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<212> DNA

<213> Human herpesvirus 4

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<211> 64

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<211> 67

<212> DNA

<213> Human herpesvirus 4

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<212> DNA

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<212> DNA

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<212> DNA

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<211> 98

<212> DNA

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<211> 67

<212> DNA

<213> Parvovirus H1

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<211> 85

<212> DNA

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<211> 92

<212> DNA

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<210> 233

<211> 91

<212> DNA

<213> Canine adenovirus

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 <213> Camelpox virus  
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<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<210> 249

<211> 81

<212> DNA

<213> Amsacta moorei entomopoxvirus

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<210> 250

<211> 68

<212> DNA

<213> Parsnip yellow fleck virus

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gctcagtc 68

<210> 251

<211> 60

<212> DNA

<213> Myxoma virus

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<211> 129

<212> DNA

<213> Ectromelia virus

<400> 252

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<210> 253

<211> 73

<212> DNA

<213> Ectromelia virus

<400> 253

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aaaagtattt aca 73

<210> 254

<211> 85

<212> DNA

<213> Yellow fever virus

<400> 254

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<211> 107

<212> DNA

<213> Macaca mulatta rhadinovirus

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<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<210> 257

<211> 61

<212> DNA

<213> Human papillomavirus type 20

<400> 257

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<210> 258

<211> 79

<212> DNA

<213> Human adenovirus A

<400> 258

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gtgtaatttg attgggtgg 79

<210> 259

<211> 131

<212> DNA

<213> Ateline herpesvirus 3

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<211> 131

<212> DNA

<213> Fowl adenovirus D

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<211> 65

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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 <212> DNA  
 <213> Citrus tristeza virus  
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 <212> DNA  
 <213> Sulfolobus virus SIRV-1  
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act 63

<210> 269

<211> 72

<212> DNA

<213> Human papillomavirus type 36

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gcgctccaga cg 72

<210> 270

<211> 121

<212> DNA

<213> Variola virus

<400> 270

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<210> 271

<211> 126

<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

<400> 271

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taatca 126

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<211> 112

<212> DNA

<213> Amsacta moorei entomopoxvirus

<400> 272

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<212> DNA

<213> Amsacta moorei entomopoxvirus

<400> 273

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<210> 274

<211> 68

<212> DNA

<213> Rat cytomegalovirus

<400> 274

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tgcaacaa 68

<210> 275

<211> 64

<212> DNA

<213> Shallot virus X

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 gagaagtatc ttcaggatga acg 83  
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 <213> Garlic virus A  
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 <213> Rabbit fibroma virus  
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 <213> Equine herpesvirus 4  
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 <212> DNA  
 <213> Louping ill virus  
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ccatg 65

<210> 283

<211> 73

<212> DNA

<213> Gallid herpesvirus 2

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<210> 284

<211> 111

<212> DNA

<213> Human herpesvirus 2

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<211> 99

<212> DNA

<213> Ictalurid herpesvirus 1

<400> 285

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cagtgtcca ttgtactgt acgttgagcg ctaataggg 99

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<211> 85

<212> DNA

<213> Louping ill virus

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<210> 287

<211> 61

<212> DNA

<213> Sulfolobus virus SIRV-2

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<212> DNA

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<211> 70

<212> DNA

<213> Marburg virus

<400> 289

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 <212> DNA  
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 agtcgctgat 130



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 cttttcc 67  
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 <212> DNA  
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 <212> DNA  
 <213> Camelpox virus  
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 <213> Camelpox virus  
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<212> DNA

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<212> DNA

<213> Friend murine leukemia virus

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<211> 72

<212> DNA

<213> Meleagrid herpesvirus 1

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<210> 350

<211> 64

<212> DNA

<213> Gallid herpesvirus 3

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<211> 131

<212> DNA

<213> Rat cytomegalovirus

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<211> 99

<212> DNA

<213> Human herpesvirus 1

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<212> DNA

<213> Chimpanzee cytomegalovirus

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 <213> Peanut clump virus  
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<211> 85

<212> DNA

<213> Human coronavirus 229E

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<211> 130

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<212> DNA

<213> Human papillomavirus type 60

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<211> 81

<212> DNA

<213> Cowpox virus

<400> 371

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<211> 76

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<213> Bovine adenovirus B

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<211> 89

<212> DNA

<213> Human coronavirus 229E

<400> 373

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<211> 80

<212> DNA

<213> Human papillomavirus type 60

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taaaaaagag cgccaaaggg 80

<210> 375

<211> 87

<212> DNA

<213> Camelpox virus

<400> 375

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ataaaatact actgttgagt aaatcag 87

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<211> 130

<212> DNA

<213> Peanut clump virus

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<211> 90

<212> DNA

<213> Human coronavirus 229E

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<211> 76

<212> DNA

<213> Human papillomavirus type 53

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<211> 71

<212> DNA

<213> Human herpesvirus 6B

<400> 379

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<211> 124

<212> DNA

<213> Human herpesvirus 2

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cctc 124

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<211> 76

<212> DNA

<213> Human herpesvirus 6B

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 <212> DNA  
 <213> Grapevine trichovirus B  
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 <213> Rabbit oral papillomavirus  
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<211> 66

<212> DNA

<213> Equine herpesvirus 1

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<210> 390

<211> 60

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<211> 110

<212> DNA

<213> Tupaia herpesvirus

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<210> 392

<211> 89

<212> DNA

<213> Apple latent spherical virus

<400> 392

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<210> 393

<211> 71

<212> DNA

<213> Grapevine trichovirus B

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<211> 62

<212> DNA

<213> Pestivirus Giraffe-1

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<211> 67

<212> DNA

<213> Fowlpox virus

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 <212> DNA

<213> Avian sarcoma virus  
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 <212> DNA  
 <213> Tupaia paramyxovirus  
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 <213> Rice yellow stunt virus  
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 <212> DNA  
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 <211> 92  
 <212> DNA  
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<213> Molluscum contagiosum virus  
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 <213> Pepper ringspot virus  
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 <212> DNA  
 <213> Human papillomavirus type 24  
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 <213> Cycas necrotic stunt virus  
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 <212> DNA  
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 <210> 1275  
 <211> 62  
 <212> DNA  
 <213> Satellite virus of maize white line mosaic virus  
 <400> 1275  
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 <210> 1276  
 <211> 61  
 <212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Camelpox virus  
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 <212> DNA  
 <213> Cowpox virus  
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 <212> DNA  
 <213> Bovine papillomavirus type 2  
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 <212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Hepatitis C virus  
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 <213> Rhesus monkey papillomavirus  
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<212> DNA

<213> Bombyx mori densovirus 1

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<211> 115

<212> DNA

<213> Equine herpesvirus 4

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<211> 112

<212> DNA

<213> Equine herpesvirus 2

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<211> 89

<212> DNA

<213> Amsacta moorei entomopoxvirus

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attagtaatt aagtttttaa agttgaatc 89

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<212> DNA

<213> Amsacta moorei entomopoxvirus

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<210> 1303

<211> 66

<212> DNA

<213> Simian-Human immunodeficiency virus

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<212> DNA

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 <213> Chimpanzee cytomegalovirus  
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<213> Porcine epidemic diarrhea virus  
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<212> DNA  
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<212> DNA  
<213> Avian carcinoma virus  
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 <213> Bean leafroll virus  
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<211> 84

<212> DNA

<213> Reston Ebola virus

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<210> 1327

<211> 126

<212> DNA

<213> African swine fever virus

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<210> 1328

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<212> DNA

<213> Alcelaphine herpesvirus 1

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a 61

<210> 1329

<211> 67

<212> DNA

<213> Alcelaphine herpesvirus 1

<400> 1329

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atacgta 67

<210> 1330

<211> 69

<212> DNA

<213> Diatraea saccharalis densovirus

<400> 1330

accgcaaact cccgtogaag ctggagccgt gtgcaaaaca ggatgtagct aggcagcgga 60

ccgttggt 69

<210> 1331

<211> 71

<212> DNA

<213> Diatraea saccharalis densovirus

<400> 1331

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agaagtcgaa g 71

<210> 1332

<211> 131

<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

<400> 1332

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<212> DNA  
<213> Diatraea saccharalis densovirus  
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<212> DNA  
<213> Barley mild mosaic virus  
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ca 122  
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<212> DNA  
<213> Barley mild mosaic virus  
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tgactgatct gcacattacg aacaccccag ggtatttaca ccagtttg 108  
<210> 1336  
<211> 71  
<212> DNA  
<213> Lumpy skin disease virus  
<400> 1336  
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tcactacaat a 71  
<210> 1337  
<211> 60  
<212> DNA  
<213> Lumpy skin disease virus  
<400> 1337  
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<211> 73  
<212> DNA  
<213> Human herpesvirus 6  
<400> 1338  
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taccggacc gga 73  
<210> 1339  
<211> 63  
<212> DNA  
<213> Human adenovirus E  
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ccc
63
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<211> 88
<212> DNA
<213> Diatraea saccharalis densovirus
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aattttatta tcttgttatt gtgacctc 88
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<211> 130
<212> DNA
<213> Vaccinia virus
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tatcggtgt 130
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<211> 60
<212> DNA
<213> Vaccinia virus
<400> 1342
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<211> 111
<212> DNA
<213> Barley mild mosaic virus
<400> 1343
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<211> 100
<212> DNA
<213> Gallid herpesvirus 2
<400> 1344
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tgatgatatt gtagtatttt tttaaatat attattata 100
<210> 1345
<211> 63
<212> DNA
<213> Gallid herpesvirus 2
<400> 1345
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taa 63
<210> 1346
<211> 71
<212> DNA
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taaattctcat c 71

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 tacgatgagg 70  
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 <212> DNA  
 <213> Sheeppox virus  
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 <213> Sheeppox virus  
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 <210> 1350  
 <211> 92  
 <212> DNA  
 <213> Human herpesvirus 5  
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 cgatgactaa agtgaagcc tgacgccgtg ac 92  
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 <212> DNA  
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 <400> 1351  
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 aactatctaa aatgggtg 77  
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 <212> DNA  
 <213> Gallid herpesvirus 2  
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 <210> 1355  
 <211> 69  
 <212> DNA  
 <213> Human adenovirus C  
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 ttgtattc 69  
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 <211> 114  
 <212> DNA  
 <213> Human T-lymphotropic virus 2  
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 gaccgtctcc cggcctcggc acctctgaa ctgctctcc caaggttaagt ctcc 114  
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 <212> DNA  
 <213> Human T-lymphotropic virus 2  
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 ggtctttaga gacaccggg 80  
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 <211> 108  
 <212> DNA  
 <213> Ectromelia virus  
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 tattcagtag ccaatcctaa ctcttcgaa tactattaa ttgctctt 108  
 <210> 1359  
 <211> 97  
 <212> DNA  
 <213> Cowpox virus  
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 cgcctattcc tgataactc ttatacagt tgaaaca 97  
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 <211> 89  
 <212> DNA  
 <213> Camelpox virus  
 <400> 1360  
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 aagtttcaaa gtcgtgtaag aacattgga 89  
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<211> 61  
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 <210> 1362  
 <211> 99  
 <212> DNA  
 <213> Human herpesvirus 5  
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 gccgtgggcg cgcggcgccc ccagatg 87  
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 <212> DNA  
 <213> Human adenovirus C  
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 <212> DNA  
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 aaataaaaga tgccgagtct ataaaagcgc aagg 94  
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 <212> DNA  
 <213> Ectromelia virus  
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 <212> DNA  
 <213> Cowpox virus  
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 tcgcctgccc 70  
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 <213> Variola virus  
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 <211> 103  
 <212> DNA  
 <213> Myxoma virus  
 <400> 1372  
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 taggtgaaac aaaaagtcac gcgttacact ggaagcgtat atc 103  
 <210> 1373  
 <211> 62  
 <212> DNA  
 <213> Myxoma virus  
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 tc 62  
 <210> 1374  
 <211> 84  
 <212> DNA  
 <213> Rabbit fibroma virus  
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 acttttcctt ttccacatca tcta 84  
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 <211> 123  
 <212> DNA



<213> Ovine adenovirus 7  
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 ttattaatac aggtcccaga gaacaaggcg gaatacactg gataacatta gcattagaac 120  
 cca 123  
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 <212> DNA  
 <213> Ovine adenovirus 7  
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 tgatgatttc tttttacggc ttgaactaat ta 92  
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 <212> DNA  
 <213> Rabbit fibroma virus  
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 aacaaatc 68  
 <210> 1379  
 <211> 100  
 <212> DNA  
 <213> Swinepox virus  
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 <211> 94  
 <212> DNA  
 <213> Swinepox virus  
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 <211> 71  
 <212> DNA  
 <213> Gibbon ape leukemia virus

<400> 1382  
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 <211> 73  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
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 tattgctcgt ggg 73  
 <210> 1385  
 <211> 80  
 <212> DNA  
 <213> Chimpanzee cytomegalovirus  
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 <210> 1386  
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 <212> DNA  
 <213> Feline immunodeficiency virus  
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 <213> Paramecium bursaria Chlorella virus 1  
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 aaaagcaat 129  
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 <212> DNA  
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<213> Yaba-like disease virus  
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 <212> DNA  
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 <213> Camelpox virus  
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 <212> DNA  
 <213> Tobacco necrosis satellite virus  
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<213> B19 virus  
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 <213> Molluscum contagiosum virus  
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 catgcaacgc aggaca 76  
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 <212> DNA  
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 <212> DNA  
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 cg 62  
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 <212> DNA  
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 <212> DNA  
 <213> Petunia vein clearing virus  
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 <212> DNA  
 <213> Murray Valley encephalitis virus  
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 <213> Amsacta moorei entomopoxvirus  
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 <212> DNA  
 <213> Murid herpesvirus 4  
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 <213> Amsacta moorei entomopoxvirus  
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 cagccggggc tcggagc 77  
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 <212> DNA  
 <213> Equine herpesvirus 1  
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 <212> DNA  
 <213> Sheeppox virus  
 <400> 1417

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 <212> DNA  
 <213> Tobacco mosaic virus  
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 gacctctggt c 71  
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 <211> 91  
 <212> DNA  
 <213> Acute bee paralysis virus  
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 <212> DNA  
 <213> Maize chlorotic mottle virus  
 <400> 1423  
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 <211> 71  
 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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aatccttag t 71

<210> 1425

<211> 130

<212> DNA

<213> Parvovirus H1

<400> 1425

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gtatgtatct 130

<210> 1426

<211> 60

<212> DNA

<213> Rabbit fibroma virus

<400> 1426

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<210> 1427

<211> 67

<212> DNA

<213> Acute bee paralysis virus

<400> 1427

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<210> 1428

<211> 64

<212> DNA

<213> Human herpesvirus 4

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<210> 1429

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<212> DNA

<213> Human herpesvirus 4

<400> 1429

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<210> 1430

<211> 77

<212> DNA

<213> Leek yellow stripe potyvirus

<400> 1430

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cctgcgacgg agtgctc 77

<210> 1431

<211> 66

<212> DNA

<213> Leek yellow stripe potyvirus

<400> 1431

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gtaaga 66



<210> 1432  
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 ctgatcccgt 70  
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 agtatcgggt 69  
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 <211> 67  
 <212> DNA  
 <213> Gallid herpesvirus 3  
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 ccgttat 67  
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 aaaagcaagc acatcgtagt catgctcatg 90  
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 gttacacgtg catgctgtcc gagtgaactc tccgccccg acgcgctccg gctccgggcc 120  
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<212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Human herpesvirus 5  
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 caccgaccaca gagggagacg gg 82  
 <210> 1443  
 <211> 76  
 <212> DNA  
 <213> Zaire Ebola virus  
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 catttacacg atcgtt 76  
 <210> 1444  
 <211> 105  
 <212> DNA  
 <213> Cercopithecine herpesvirus 7  
 <400> 1444  
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 taagtgggtgt ttataaatc cctgcttca ttggttttaa tcaact 105  
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 <211> 80  
 <212> DNA  
 <213> Human herpesvirus 2  
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 ccgccttcgc gcccccccc 80  
 <210> 1446  
 <211> 115  
 <212> DNA

<213> Monkeypox virus  
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 <212> DNA  
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 <213> Rat cytomegalovirus  
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 gaagagtaga aataattacg ggtg 84  
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 <212> DNA  
 <213> Monkeypox virus  
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 <211> 66  
 <212> DNA  
 <213> Monkeypox virus  
 <400> 1451  
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 tgatgg 66  
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 <211> 99  
 <212> DNA  
 <213> Equine herpesvirus 1  
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 <213> Equine herpesvirus 1  
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<210> 1454

<211> 89

<212> DNA

<213> Camelpox virus

<400> 1454

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<210> 1455

<211> 131

<212> DNA

<213> Swinepox virus

<400> 1455

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taactcatga a 131

<210> 1456

<211> 104

<212> DNA

<213> Myxoma virus

<400> 1456

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<210> 1457

<211> 73

<212> DNA

<213> Canine adenovirus

<400> 1457

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aagtagactg caa 73

<210> 1458

<211> 79

<212> DNA

<213> Canine adenovirus

<400> 1458

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aaaataacaa aacaccact 79

<210> 1459

<211> 124

<212> DNA

<213> Human papillomavirus type 65

<400> 1459

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<210> 1460

<211> 91

<212> DNA

<213> Human papillomavirus type 50

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 <211> 82  
 <212> DNA  
 <213> Human adenovirus D  
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 gctgacaatt cagagccagg gc 82  
 <210> 1462  
 <211> 66  
 <212> DNA  
 <213> Canine adenovirus  
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 tcttat 66  
 <210> 1463  
 <211> 82  
 <212> DNA  
 <213> Sheeppox virus  
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 tagccataga atcatatata tg 82  
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 <212> DNA  
 <213> Sheeppox virus  
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 <211> 71  
 <212> DNA  
 <213> Bovine herpesvirus 4  
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 ggagtgtct c 71  
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 <211> 85  
 <212> DNA  
 <213> Walleye dermal sarcoma virus  
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 aacagacaaa tgtgactggc ctggg 85  
 <210> 1467  
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 <212> DNA  
 <213> Walleye dermal sarcoma virus  
 <400> 1467

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tgtcataggc taaaacacgc totcc 85  
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<212> DNA  
<213> Paramecium bursaria Chlorella virus 1  
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<213> Variola virus  
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<212> DNA  
<213> Molluscum contagiosum virus  
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<212> DNA  
<213> Fowlpox virus  
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<210> 1473  
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<212> DNA  
<213> Lumpy skin disease virus  
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<212> DNA  
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 <213> Bovine herpesvirus 4  
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 cca 63  
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 <211> 89  
 <212> DNA  
 <213> European brown hare syndrome virus  
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 <210> 1480  
 <211> 63  
 <212> DNA  
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 <211> 91  
 <212> DNA  
 <213> Equine herpesvirus 4  
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 <212> DNA  
 <213> African swine fever virus  
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 <212> DNA  
 <213> Beet virus Q  
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 <213> Beet virus Q  
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 <212> DNA  
 <213> Human papillomavirus type 63  
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 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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 <212> DNA  
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 <212> DNA  
 <213> Garlic virus X  
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 <212> DNA  
 <213> Avian leukosis virus  
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 <212> DNA  
 <213> Arctic ground squirrel hepatitis B virus  
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 <213> Human papillomavirus type 54  
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<211> 127  
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 <212> DNA  
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 <212> DNA  
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<212> DNA  
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 <212> DNA  
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<212> DNA

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 <212> DNA  
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 <212> DNA  
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 aataactaaa agtga 75  
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 <212> DNA  
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 <213> Turnip vein-clearing virus  
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 <212> DNA  
 <213> Meleagrid herpesvirus 1  
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 <212> DNA  
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 <212> DNA  
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 taaataggag agatttcaa gta 83  
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 tatttggttaa tgttt 75  
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<212> DNA  
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 atttgtgaaa ttttttc 78  
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<212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Human papillomavirus type 84  
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 ccgtccagtt aggctggcgg tgctttgtgg agtgg 95  
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 <212> DNA  
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 tctcgttcca gtctttatat ta 82  
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 <212> DNA  
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 agaagcacag ttatatcatt gcgtagcaac ag 92  
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<212> DNA  
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 <212> DNA  
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 tctgtttagg gttaccttta ttaaca 86  
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 <212> DNA  
 <213> Mouse parvovirus 1  
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 <212> DNA  
 <213> Y73 sarcoma virus  
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 <212> DNA  
 <213> Tupaia herpesvirus  
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 gtgagcgagg gacggcgtag gtggcgacgg tgggc 95  
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 <212> DNA  
 <213> Sheeppox virus  
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 atatcaagcc c 71



<210> 1886  
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 <212> DNA  
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 gcctgttcta tgtataacct tgactagatg tg 92  
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 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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 aata 64  
 <210> 1888  
 <211> 88  
 <212> DNA  
 <213> Human herpesvirus 7  
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 taatagtatt tatttttcat gggtttta 88  
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 <212> DNA  
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 <400> 1889  
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 gtaggagtgg ttttctgtat aagtactagc tcaggt 96  
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 <212> DNA  
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 tctttttgc gtctcc 76  
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 <210> 1892  
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 <212> DNA  
 <213> Lumpy skin disease virus  
 <400> 1892  
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<211> 60  
 <212> DNA  
 <213> Vaccinia virus  
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 <212> DNA  
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 <212> DNA  
 <213> Equine herpesvirus 4  
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 <212> DNA  
 <213> Variola virus  
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 <210> 1897  
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 <212> DNA  
 <213> Gallid herpesvirus 3  
 <400> 1897  
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 taatacgttc cctaaaatgc tgtgctccgc c 91  
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 <212> DNA  
 <213> Simian immunodeficiency virus  
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 <213> Sorghum chlorotic spot virus  
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 actctcaccg gcacgttcga cgt 83  
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 <212> DNA  
 <213> Monkeypox virus  
 <400> 1902  
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 <212> DNA  
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 <210> 1907  
 <211> 67  
 <212> DNA  
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<212> DNA  
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<212> DNA  
<213> Macaca mulatta rhadinovirus  
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taagacacgt gtgagaggaa aactttattg cagggacagg g 101  
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<212> DNA  
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<213> Bovine parvovirus  
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<212> DNA  
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atagtggcca gggcctcggt ggg 83  
<210> 1915  
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<212> DNA  
<213> Turkey adenovirus 3  
<400> 1915  
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ctaagagacg tagagtaggt tag 83  
<210> 1916  
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<212> DNA  
<213> Peanut chlorotic streak virus  
<400> 1916  
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<212> DNA  
<213> Trichomonas vaginalis virus 3  
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<213> Porcine adenovirus A  
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<213> Tupaia paramyxovirus  
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 <212> DNA  
 <213> Myxoma virus  
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 aggtttcttt ttcg 74  
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 <212> DNA  
 <213> Cowpox virus  
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 atacctaata ctaa 74  
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 <211> 70  
 <212> DNA  
 <213> Human papillomavirus type 48  
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 <210> 1925  
 <211> 64  
 <212> DNA  
 <213> Gallid herpesvirus 2  
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 <211> 102  
 <212> DNA  
 <213> Human herpesvirus 7  
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 gcaactacgt cacagctcat cgccaacagt tactgccgct gc 102  
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 <212> DNA  
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 cgacgtggag gaaggcgtg 79  
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 <212> DNA  
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 <212> DNA  
 <213> Feline calicivirus  
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 ggttgaccct tactca 76  
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 <212> DNA  
 <213> Eimeria brunetti RNA virus 1  
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 gccta 65  
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 ctctttataa actgtacaat catactcata tattgtaggt atc 103  
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 <212> DNA  
 <213> Chimpanzee cytomegalovirus  
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<211> 82  
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 <210> 1937  
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 <212> DNA  
 <213> Human papillomavirus type 23  
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 <212> DNA  
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 <210> 1939  
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 <212> DNA  
 <213> Aleutian mink disease virus  
 <400> 1939  
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 <210> 1940  
 <211> 90  
 <212> DNA  
 <213> Banana mild mosaic virus  
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 gtgattagag agctcaaacc agttaagtc 90  
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 <212> DNA  
 <213> Human papillomavirus type 25  
 <400> 1941  
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 <212> DNA  
 <213> Human papillomavirus type 20  
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<213> Human papillomavirus type 49  
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 <212> DNA  
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 tactctcca atccagtc a 81  
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<213> Fowl adenovirus A  
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 <213> Tupaia herpesvirus  
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 <213> Chimpanzee cytomegalovirus  
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 acccctaata ttgcat 76  
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 <213> Clover yellow vein virus  
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<213> Rat cytomegalovirus  
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 <213> Variola virus  
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 <212> DNA  
 <213> Apple chlorotic leaf spot virus  
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 <212> DNA  
 <213> Apple latent spherical virus  
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 ctggttcttc ctaaatgaa gaa 83  
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 <212> DNA  
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 <212> DNA  
 <213> Cherry necrotic rusty mottle virus  
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<213> Human herpesvirus 5  
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 <212> DNA  
 <213> Tobacco etch virus  
 <400> 1972  
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 <213> Sulfolobus virus SIRV-1  
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 <400> 1974  
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 <212> DNA  
 <213> Common chimpanzee papillomavirus 1  
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 accatacat atgttcact ctaca 85  
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 <213> Acute bee paralysis virus  
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 <213> Gallid herpesvirus 2  
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 <213> Paramecium bursaria Chlorella virus 1  
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 <213> Amsacta moorei entomopoxvirus  
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 <213> Potato virus Y  
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 <212> DNA  
 <213> African swine fever virus  
 <400> 1985  
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<210> 1986

<211> 81

<212> DNA

<213> Human herpesvirus 6

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<211> 63

<212> DNA

<213> Variola virus

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<210> 1988

<211> 99

<212> DNA

<213> Equine rhinitis B virus

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<211> 96

<212> DNA

<213> Meleagrid herpesvirus 1

<400> 1989

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<211> 131

<212> DNA

<213> Monkeypox virus

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<212> DNA

<213> Vaccinia virus

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aaacagtcag ctggtctaaa attccatct ctatctaata cag 103

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<212> DNA

<213> Vaccinia virus

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<210> 1993

<211> 77

<212> DNA

<213> Ictalurid herpesvirus 1

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<213> Equine rhinitis B virus

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<210> 1996

<211> 68

<212> DNA

<213> Ictalurid herpesvirus 1

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<210> 1997

<211> 60

<212> DNA

<213> Rat cytomegalovirus

<400> 1997

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<212> DNA

<213> Rat cytomegalovirus

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<213> Rat cytomegalovirus

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 <213> Lettuce infectious yellows virus  
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 <212> DNA  
 <213> Marburg virus  
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<212> DNA

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<212> DNA

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<212> DNA

<213> Monkeypox virus

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<212> DNA

<213> Simian immunodeficiency virus

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<212> DNA

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 <213> Human adenovirus B  
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 tacgcatacg ccagcagcag 80  
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 acaaaagttc tgttttgagt gtt 83  
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 <212> DNA  
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<212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
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 <213> Potato virus V  
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 <211> 94  
 <212> DNA  
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 <212> DNA  
 <213> Barmah Forest virus  
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 <212> DNA  
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 <211> 60  
 <212> DNA  
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 <212> DNA  
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 <211> 87  
 <212> DNA  
 <213> Tupaia herpesvirus  
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 aagtatagta gtatcacatc attggat 87  
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 <212> DNA  
 <213> Camelpox virus  
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<210> 2249  
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 <212> DNA  
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 <211> 79  
 <212> DNA  
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 <212> DNA  
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 <212> DNA  
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 tacacacacc gccattccc cgcg 84  
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 <212> DNA  
 <213> Molluscum contagiosum virus  
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<210> 2256  
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 <212> DNA  
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 <212> DNA  
 <213> Junonia coenia densovirus  
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 <212> DNA  
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 <213> Triatoma virus  
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<212> DNA  
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 <213> Human herpesvirus 4  
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 <213> Vaccinia virus  
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 <212> DNA  
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 <211> 92  
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<213> Amsacta moorei entomopoxvirus  
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 <212> DNA  
 <213> Saimiriine herpesvirus 2  
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 <211> 64  
 <212> DNA  
 <213> Ateline herpesvirus 3  
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 <213> Human herpesvirus 5  
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 <212> DNA  
 <213> Ground squirrel hepatitis virus  
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 <212> DNA  
 <213> Tupaia paramyxovirus  
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 <213> Lumpy skin disease virus  
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 <212> DNA  
 <213> Goose parvovirus  
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 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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 <213> Myxoma virus  
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 <213> Vaccinia virus  
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 <213> Ground squirrel hepatitis virus  
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 <213> Simian-Human immunodeficiency virus  
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 <213> Simian-Human immunodeficiency virus  
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 <210> 2302  
 <211> 85  
 <212> DNA  
 <213> Simian-Human immunodeficiency virus  
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 cagattggcg cctgaacagg gactt 85  
 <210> 2303  
 <211> 85  
 <212> DNA  
 <213> Human herpesvirus 8  
 <400> 2303  
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 tccgacccgc cgtccgccct actgt 85  
 <210> 2304  
 <211> 87  
 <212> DNA  
 <213> A-2 plaque virus  
 <400> 2304  
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 ttgttatata tttctaaaa atgtata 87  
 <210> 2305  
 <211> 126  
 <212> DNA  
 <213> Variola virus

<400> 2305

tgagaatatt gatgatttt ttaagatga tattacttt ttatatgctt gcattacaga 60  
ataatattca cagggtattat taaaatgagt atcggagcta cattaccata tcatcatcca 120  
tgctca 126

<210> 2306

<211> 75

<212> DNA

<213> A-2 plaque virus

<400> 2306

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tctaacaaga aatct 75

<210> 2307

<211> 70

<212> DNA

<213> A-2 plaque virus

<400> 2307

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aagagttaga 70

<210> 2308

<211> 87

<212> DNA

<213> Ectromelia virus

<400> 2308

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tgaactatgt agccgtgact ccatcat 87

<210> 2309

<211> 129

<212> DNA

<213> Ectromelia virus

<400> 2309

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tgataaaatt aatgagatta togaggctat gagcgaagga gaccactaca tcaatcttac 120  
agaagtcga 129

<210> 2310

<211> 64

<212> DNA

<213> Macaca mulatta rhadinovirus

<400> 2310

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atac 64

<210> 2311

<211> 62

<212> DNA

<213> Vaccinia virus

<400> 2311

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<210> 2312

<211> 60

<212> DNA

<213> Vaccinia virus  
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 <211> 98  
 <212> DNA  
 <213> Vaccinia virus  
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 gctattatgt ttaaagatga caatattatt atgaagac 98  
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 <212> DNA  
 <213> Variola virus  
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 gtctctat 68  
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 <211> 73  
 <212> DNA  
 <213> Variola virus  
 <400> 2315  
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 ttttgttt ctt 73  
 <210> 2316  
 <211> 98  
 <212> DNA  
 <213> Frog adenovirus 1  
 <400> 2316  
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 ttttaggcat ttttgataaa catttccccg ggttctta 98  
 <210> 2317  
 <211> 66  
 <212> DNA  
 <213> Frog adenovirus 1  
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 tgtttc 66  
 <210> 2318  
 <211> 65  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
 <400> 2318  
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 cattt 65  
 <210> 2319  
 <211> 97  
 <212> DNA  
 <213> Cactus virus X  
 <400> 2319

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 acaccaaacac tcggccacga atgctcagac gctgggc 97  
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 <211> 69  
 <212> DNA  
 <213> Human herpesvirus 5  
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 ttctgttt 69  
 <210> 2321  
 <211> 63  
 <212> DNA  
 <213> Human herpesvirus 5  
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 acg 63  
 <210> 2322  
 <211> 68  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
 <400> 2322  
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 ctactggg 68  
 <210> 2323  
 <211> 90  
 <212> DNA  
 <213> Human herpesvirus 5  
 <400> 2323  
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 tttctgatg tgacgtctaa gatgtgaat 90  
 <210> 2324  
 <211> 92  
 <212> DNA  
 <213> Human herpesvirus 5  
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 gcggtcgggc gggcgtctcg ggcggacgtc gg 92  
 <210> 2325  
 <211> 122  
 <212> DNA  
 <213> Jembrana disease virus  
 <400> 2325  
 gctcccgctc agtctgttag tctcctagt tcgaatcctt ttgcatattc tctctccac 60  
 tttcaaaat caaagagggg ggactgtggg gagaaaggga acaggtgggg acgaccggga 120  
 gc 122  
 <210> 2326  
 <211> 90  
 <212> DNA  
 <213> Woolly monkey sarcoma virus  
 <400> 2326

gccgtccga ttaaccgatt ccccgacgg agcaccgagg accacccgac cgcgagccga 60  
 ctctggagt tcgttctca ttcgacggc 90  
 <210> 2327  
 <211> 113  
 <212> DNA  
 <213> Pepper ringspot virus  
 <400> 2327  
 tgtaaaaaga aatgcgagt gcaagaactg tgggtgggtt cctgcgatat cagttcaacc 60  
 tgattacgtg gaagtctact tctgttggtg catgaagcat ttacaaaagt gca 113  
 <210> 2328  
 <211> 79  
 <212> DNA  
 <213> Cowpox virus  
 <400> 2328  
 gtctccttaa agcttctgat ggtaactgtg ttacatgtgc tccgtcatat gtaaagcct 60  
 tcttaagcta ttggaaac 79  
 <210> 2329  
 <211> 65  
 <212> DNA  
 <213> Pepper ringspot virus  
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 ccgga 65  
 <210> 2330  
 <211> 62  
 <212> DNA  
 <213> Pepper ringspot virus  
 <400> 2330  
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 gc 62  
 <210> 2331  
 <211> 103  
 <212> DNA  
 <213> Fowlpox virus  
 <400> 2331  
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 ataatactta gtaataacct ttactctgtc tacgtgaaa gaa 103  
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 <211> 69  
 <212> DNA  
 <213> Camelpox virus  
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 atttcgta 69  
 <210> 2333  
 <211> 88  
 <212> DNA  
 <213> Tupaia herpesvirus  
 <400> 2333  
 ctacgtacca cctataatca tctgtaggaa aatggaaggt atgtacatct atctactgtt 60

cctaatatca tatatggtgg tgtagtag 88  
 <210> 2334  
 <211> 93  
 <212> DNA  
 <213> Human adenovirus C  
 <400> 2334  
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 gaacattccc agctgctaca acaaacagag cga 93  
 <210> 2335  
 <211> 68  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
 <400> 2335  
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 ttcaatgt 68  
 <210> 2336  
 <211> 66  
 <212> DNA  
 <213> Amsacta moorei entomopoxvirus  
 <400> 2336  
 caatataaat aaattatctt ttattatttc tttttaata taagttaaaa tttaccagt 60  
 atattg 66  
 <210> 2337  
 <211> 77  
 <212> DNA  
 <213> Lymphocystis disease virus 1  
 <400> 2337  
 tgttgagata tgtacattaa taaatatatt ccagaatcat ttttgttat attattatcc 60  
 aaagtctatc cccaaca 77  
 <210> 2338  
 <211> 93  
 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
 <400> 2338  
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 tttcaattt tatgatttta tatataataa atg 93  
 <210> 2339  
 <211> 126  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
 <400> 2339  
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 tattgc 126  
 <210> 2340  
 <211> 126  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
 <400> 2340  
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 ttcggg 126  
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 <211> 89  
 <212> DNA  
 <213> Cercopithecine herpesvirus 7  
 <400> 2341  
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 aaacaaattg tattgtacat gaaattgac 89  
 <210> 2342  
 <211> 63  
 <212> DNA  
 <213> Porcine adenovirus C  
 <400> 2342  
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 gcc 63  
 <210> 2343  
 <211> 104  
 <212> DNA  
 <213> Variola virus  
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 tatataatcg ttctcctgg tgcatagtt gtagaggta catc 104  
 <210> 2344  
 <211> 84  
 <212> DNA  
 <213> Lymphocystis disease virus 1  
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 tttttataa atatctaaaa taac 84  
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 <211> 77  
 <212> DNA  
 <213> Variola virus  
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 aactatgtaa gccagga 77  
 <210> 2346  
 <211> 63  
 <212> DNA  
 <213> Porcine adenovirus C  
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 aga 63  
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 <211> 65  
 <212> DNA  
 <213> Human herpesvirus 5  
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cccgc 65  
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 <211> 99  
 <212> DNA  
 <213> Human herpesvirus 5  
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 <211> 70  
 <212> DNA  
 <213> Human herpesvirus 5  
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 gggctgccct 70  
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 <212> DNA  
 <213> Vaccinia virus  
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 aagtattgg attcacggtg ggttacgact acctcagact ggtagagaat g 111  
 <210> 2351  
 <211> 82  
 <212> DNA  
 <213> Human herpesvirus 5  
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 ggggaccaca gggggagggg gg 82  
 <210> 2352  
 <211> 64  
 <212> DNA  
 <213> Vaccinia virus  
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 gtgc 64  
 <210> 2353  
 <211> 68  
 <212> DNA  
 <213> Gallid herpesvirus 2  
 <400> 2353  
 gaccagtcag ccgcgaacgg aaataacgcc gaatcgagct cctctaattc cgataaccgg 60  
 ctgttgtc 68  
 <210> 2354  
 <211> 76  
 <212> DNA  
 <213> Clover yellow mosaic virus  
 <400> 2354  
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 cgggagacgc cgagct 76

<210> 2355  
 <211> 81  
 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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 atggtaaatt acatttagaa a 81  
 <210> 2356  
 <211> 69  
 <212> DNA  
 <213> Human herpesvirus 5  
 <400> 2356  
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 ccggcctcc 69  
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 <211> 119  
 <212> DNA  
 <213> Spleen focus-forming virus  
 <400> 2357  
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 ctttcattaa attaatata atatttattc aatattttt tataatttaa cttatgtaa 119  
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 <211> 127  
 <212> DNA  
 <213> Spleen focus-forming virus  
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 ccgggccggg ggccaagaac agatgggtccc cagatatggc ccaaccctca gcagtttctt 120  
 aagacccc 127  
 <210> 2359  
 <211> 82  
 <212> DNA  
 <213> Rice stripe virus  
 <400> 2359  
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 catttcata acattaatct at 82  
 <210> 2360  
 <211> 65  
 <212> DNA  
 <213> Rice stripe virus  
 <400> 2360  
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 atctc 65  
 <210> 2361  
 <211> 76  
 <212> DNA  
 <213> Variola virus  
 <400> 2361  
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 gagtttattt tatatg 76

<210> 2362  
 <211> 126  
 <212> DNA  
 <213> Monkeypox virus  
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 gagcac 126  
 <210> 2363  
 <211> 63  
 <212> DNA  
 <213> Monkeypox virus  
 <400> 2363  
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 tcc 63  
 <210> 2364  
 <211> 82  
 <212> DNA  
 <213> Avian carcinoma virus  
 <400> 2364  
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 catccccgg ttaccctt tc 82  
 <210> 2365  
 <211> 99  
 <212> DNA  
 <213> Avian carcinoma virus  
 <400> 2365  
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 ggtgaccccg acgtgatcgt tagggaatag tggtcggcc 99  
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 <211> 60  
 <212> DNA  
 <213> Avian carcinoma virus  
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 <211> 61  
 <212> DNA  
 <213> Hendra virus  
 <400> 2367  
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 <210> 2368  
 <211> 79  
 <212> DNA  
 <213> Spleen focus-forming virus  
 <400> 2368  
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 aataccacca gctaaaacc 79  
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<211> 88  
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 <213> Rice stripe virus  
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 gggctgcggc cctaacccta accctagg 88  
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 <212> DNA  
 <213> Rice stripe virus  
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 <211> 95  
 <212> DNA  
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 attcagataa tgattgatat ctagatatat tatac 95  
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 <211> 111  
 <212> DNA  
 <213> A-2 plaque virus  
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 <211> 61  
 <212> DNA  
 <213> Ectromelia virus  
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 <210> 2374  
 <211> 63  
 <212> DNA  
 <213> Ectromelia virus  
 <400> 2374  
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 tct 63  
 <210> 2375  
 <211> 131  
 <212> DNA  
 <213> Macaca mulatta rhadinovirus  
 <400> 2375  
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 cacgcagaac ctatgttag tgcgattgcg attatgtccg ctagggtggcg ggctattttg 120  
 atcctgccgc g 131  
 <210> 2376  
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<212> DNA  
 <213> Macaca mulatta rhadinovirus  
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 gtcttggtgg 130  
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 <211> 66  
 <212> DNA  
 <213> Reston Ebola virus  
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 <210> 2378  
 <211> 131  
 <212> DNA  
 <213> Macaca mulatta rhadinovirus  
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 caccatggtc c 131  
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 <211> 61  
 <212> DNA  
 <213> Fowlpox virus  
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 a 61  
 <210> 2380  
 <211> 65  
 <212> DNA  
 <213> Human papillomavirus type 47  
 <400> 2380  
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 aacca 65  
 <210> 2381  
 <211> 62  
 <212> DNA  
 <213> Human herpesvirus 7  
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 at 62  
 <210> 2382  
 <211> 80  
 <212> DNA  
 <213> Human papillomavirus type 47  
 <400> 2382  
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 ttctgcctc actcagagaa 80  
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<211> 83  
 <212> DNA  
 <213> Gallid herpesvirus 2  
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 cgccacgccc catgcacgtg ccc 83  
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 <211> 62  
 <212> DNA  
 <213> African swine fever virus  
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 accattaaaa atattttat ctgtagatt taatttaata aatggctcat ggaatgtgtg 60  
 gt 62  
 <210> 2385  
 <211> 110  
 <212> DNA  
 <213> Paramecium bursaria Chlorella virus 1  
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 gaaattttta gctggctgca tatatctact gaataatcat attattattg 110  
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 <211> 130  
 <212> DNA  
 <213> Tupaia herpesvirus  
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 cacacatgtc 130  
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 <211> 77  
 <212> DNA  
 <213> Tupaia herpesvirus  
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 ggtgtgtccg tgtgggt 77  
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 <211> 70  
 <212> DNA  
 <213> Tupaia herpesvirus  
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 <213> Potato virus Y  
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 <213> Ectromelia virus  
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 <212> DNA  
 <213> Human papillomavirus type 36  
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gaatgctcat tagcttttcg tcctacaatc agagaaggga tttgatg 108  
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 <213> Pea early browning virus  
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 <212> DNA  
 <213> Oat golden stripe virus  
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 ggcgtctcag ttttggttt tcgtacgtt agttg 95  
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 <212> DNA  
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 <213> Cowpox virus  
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 <212> DNA  
 <213> Human papillomavirus type 32  
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 <212> DNA  
 <213> Fowlpox virus  
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 <212> DNA  
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 <212> DNA  
 <213> Peanut bud necrosis virus  
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 <211> 61  
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 <213> Paramecium bursaria Chlorella virus 1  
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 <212> DNA  
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 <212> DNA  
 <213> Macaca mulatta rhadinovirus  
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 <211> 60  
 <212> DNA  
 <213> Human papillomavirus type 28  
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 <211> 70  
 <212> DNA  
 <213> Human papillomavirus type 70  
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 <212> DNA  
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 <213> Human herpesvirus 5  
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 <212> DNA  
 <213> Human herpesvirus 5  
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 <213> Potato virus A  
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 <213> Monkeypox virus  
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 <212> DNA  
 <213> Rabbit oral papillomavirus  
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 <212> DNA  
 <213> Bovine herpesvirus 1  
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 <212> DNA  
 <213> Human papillomavirus type 10  
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 <212> DNA  
 <213> Human herpesvirus 1  
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 <212> DNA  
 <213> Rat cytomegalovirus  
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 <212> DNA  
 <213> Grapevine fanleaf virus  
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 gttgtaaaag ttgttgcca c 81  
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 <212> DNA  
 <213> Bean common mosaic necrosis virus  
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 <211> 62  
 <212> DNA  
 <213> Rat cytomegalovirus  
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 <210> 2444  
 <211> 61  
 <212> DNA  
 <213> Ectromelia virus  
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 <212> DNA  
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 <211> 83  
 <212> DNA  
 <213> Bean common mosaic necrosis virus  
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 <212> DNA  
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 aggttacgtt cgggt 75  
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 <212> DNA  
 <213> Human herpesvirus 2  
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 <211> 63  
 <212> DNA  
 <213> Human papillomavirus type 50  
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 <210> 2450  
 <211> 96  
 <212> DNA  
 <213> Human papillomavirus type 48  
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 <212> DNA  
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 <213> Frog adenovirus 1  
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 <213> Fowlpox virus  
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 <213> Melanoplus sanguinipes entomopoxvirus  
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 <211> 98  
 <212> DNA  
 <213> Gallid herpesvirus 2  
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 <213> Human herpesvirus 7  
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 <212> DNA  
 <213> Infectious flacherie virus  
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 <212> DNA  
 <213> Sorghum mosaic virus  
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 <212> DNA  
 <213> Sorghum mosaic virus  
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 <213> Equine herpesvirus 4  
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 <211> 126  
 <212> DNA  
 <213> Meleagrid herpesvirus 1  
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<212> DNA  
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 <212> DNA  
 <213> Lumpy skin disease virus  
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 <210> 2472  
 <211> 79  
 <212> DNA  
 <213> Barley yellow mosaic virus  
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 <212> DNA  
 <213> Rabbit fibroma virus  
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 <212> DNA  
 <213> Barmah Forest virus  
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 <212> DNA  
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 <212> DNA  
 <213> Porcine epidemic diarrhea virus  
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 <212> DNA  
 <213> Plum pox virus  
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 <212> DNA  
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 <211> 84  
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<212> DNA

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<210> 2548

<211> 80

<212> DNA

<213> Equine herpesvirus 2

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<212> DNA

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<211> 65

<212> DNA

<213> Tobacco necrosis virus D

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<210> 2551

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<212> DNA

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<211> 63

<212> DNA

<213> Human herpesvirus 5

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<213> Mice minute virus
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<212> DNA
<213> Bovine adenovirus D
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<211> 78
<212> DNA
<213> Fowl adenovirus D
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<212> DNA
<213> Ateline herpesvirus 3
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 <212> DNA  
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 <213> Melanoplus sanguinipes entomopoxvirus  
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 <213> Cowpox virus  
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 gccgcccg 68  
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 <212> DNA  
 <213> Sheeppox virus  
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 tctgacc 67  
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 <211> 82  
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 aatgcgagtg ttcgttttt tta 84  
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 <212> DNA  
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 acaaaaaagg ggcagcagtc ttaatgtca cgggct 96  
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 <213> Rice ragged stunt virus  
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 gcccatggg gtcggggagt gatagagaag gt 92  
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 <212> DNA  
 <213> Equine herpesvirus 4  
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 tggaattgt gctggcagct tttta 85  
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 <212> DNA  
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 <212> DNA  
 <213> Lettuce infectious yellows virus  
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 ataactttg ct 72  
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 <211> 93  
 <212> DNA  
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 gcgacacgtt ttattctgcg tcctccgctc gac 93  
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 <212> DNA  
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 cattatac 68  
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 <211> 72  
 <212> DNA  
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 <212> DNA  
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 <213> Murray Valley encephalitis virus  
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 aatttgattg ttattata 78  
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 <212> DNA  
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 <212> DNA  
 <213> Human herpesvirus 8  
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 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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 ttaatatta aacaatttct tt 82  
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 <212> DNA  
 <213> Melanoplus sanguinipes entomopoxvirus  
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 gcaatacaaa ttctatttga aattatcata ttattaa 97  
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 <212> DNA  
 <213> Mouse parvovirus 1  
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 aaaaaacaat aaaatctttt taaaaccta 89  
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 <211> 73  
 <212> DNA  
 <213> Lactate dehydrogenase-elevating virus  
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 <211> 84  
 <212> DNA  
 <213> Rhopalosiphum padi virus  
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 agttcgcttt actcgcaata gcta 84  
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 <211> 73  
 <212> DNA  
 <213> Zaire Ebola virus  
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tccaagtaca gac 73  
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 <211> 64  
 <212> DNA  
 <213> Human herpesvirus 8  
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 <211> 72  
 <212> DNA  
 <213> West Nile virus  
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 <212> DNA  
 <213> West Nile virus  
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 <212> DNA  
 <213> Human herpesvirus 5  
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 <212> DNA  
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 caaaaaggag 70  
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 <212> DNA  
 <213> Equine herpesvirus 2  
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 <213> Equine herpesvirus 4  
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 <212> DNA  
 <213> Nipah virus  
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 aattgttgtt 130  
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 <212> DNA  
 <213> Sheeppox virus  
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 gc 62  
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 <212> DNA  
 <213> Amsacta moorei entomopoxvirus  
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 <213> Molluscum contagiosum virus  
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gcgcgcaacc gcggccgtcg agaacaacc 89

<210> 2624

<211> 88

<212> DNA

<213> Mosquito cell fusing agent

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tgattatctt ttctatacca tagatgcg 88

<210> 2625

<211> 87

<212> DNA

<213> Monkeypox virus

<400> 2625

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acttgcaactt aaagtctaca ttgtagt 87

<210> 2626

<211> 60

<212> DNA

<213> Meleagrid herpesvirus 1

<400> 2626

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<210> 2627

<211> 63

<212> DNA

<213> Ateline herpesvirus 3

<400> 2627

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cag 63

<210> 2628

<211> 65

<212> DNA

<213> Tupaia herpesvirus

<400> 2628

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ccggc 65

<210> 2629

<211> 81

<212> DNA

<213> Tupaia herpesvirus

<400> 2629

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<210> 2630

<211> 117

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

<400> 2630

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 <213> Amsacta moorei entomopoxvirus  
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 <211> 64  
 <212> DNA  
 <213> Variola virus  
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 <212> DNA  
 <213> Equine herpesvirus 1  
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<211> 61  
 <212> DNA  
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 <211> 93  
 <212> DNA  
 <213> Cowpea mottle virus  
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 <212> DNA  
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 attattccac taaattgat 79  
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 <211> 71  
 <212> DNA  
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 <212> DNA  
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 <213> Chimpanzee cytomegalovirus  
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 <213> Sonchus yellow net virus  
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 <212> DNA  
 <213> Porcine reproductive and respiratory syndrome virus  
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 <212> DNA  
 <213> Lymphocystis disease virus 1  
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 <213> Rice grassy stunt virus  
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<213> Simian-Human immunodeficiency virus  
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 <212> DNA  
 <213> Infectious spleen and kidney necrosis virus  
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 <211> 93  
 <212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Satellite virus of maize white line mosaic virus  
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 <211> 88  
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 <212> DNA  
 <213> African swine fever virus  
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 <212> DNA  
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 <213> Sulfolobus virus SIRV-2  
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 <212> DNA  
 <213> Phocoena spinipinnis papillomavirus  
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 <212> DNA  
 <213> Sulfolobus virus SIRV-1  
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 <212> DNA  
 <213> Cherry mottle leaf virus  
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 <213> Little cherry virus  
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<212> DNA  
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 <211> 64  
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 <213> Human coronavirus 229E  
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 <213> Red clover mottle virus  
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 <212> DNA  
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 <212> DNA  
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 <213> Cercopithecine herpesvirus 7  
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 <213> Pepper mottle virus  
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 <212> DNA  
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<213> Human papillomavirus type 86  
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 <212> DNA  
 <213> Ovine pulmonary adenocarcinoma virus  
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 <213> Monkeypox virus  
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 <212> DNA  
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<212> DNA

<213> Aichi virus

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<212> DNA  
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 <211> 67  
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 <212> DNA  
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 <212> DNA  
 <213> Lumpy skin disease virus  
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 <212> DNA  
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 <212> DNA  
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 <212> DNA  
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<213> Rat cytomegalovirus

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<212> DNA

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<212> DNA

<213> Murid herpesvirus 4

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tctgg 65

<210> 3011

<211> 62

<212> DNA

<213> Tobacco mild green mosaic virus

<400> 3011

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<212> DNA

<213> Rat cytomegalovirus

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<211> 76

<212> DNA

<213> Tick-borne encephalitis virus

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 <213> Variola virus  
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